

FIG. 3

401

| | | load | | store | |
|---------------------|---------|---------|---------|---------|---------|
| | | sync | future | normal | sync |
| sync mode f/e | normal | sync | future | normal | future |
| | succeed | succeed | succeed | block | succeed |
| full | full | empty | full | full | full |
| | full | * | | N/A | full |
| empty | succeed | block | block | succeed | succeed |
| | empty | N/A | N/A | full | N/A |

FIG. 4

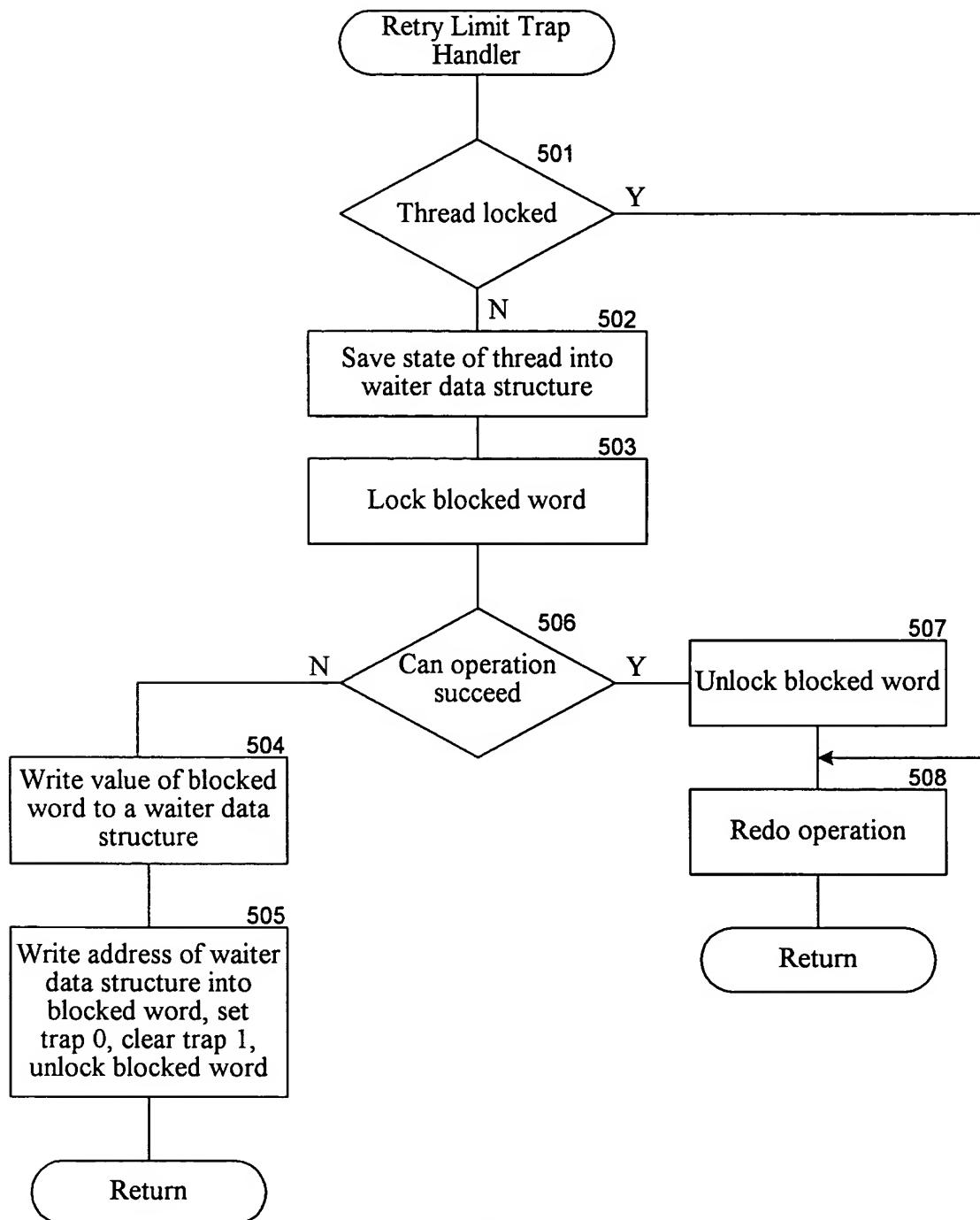


FIG. 5

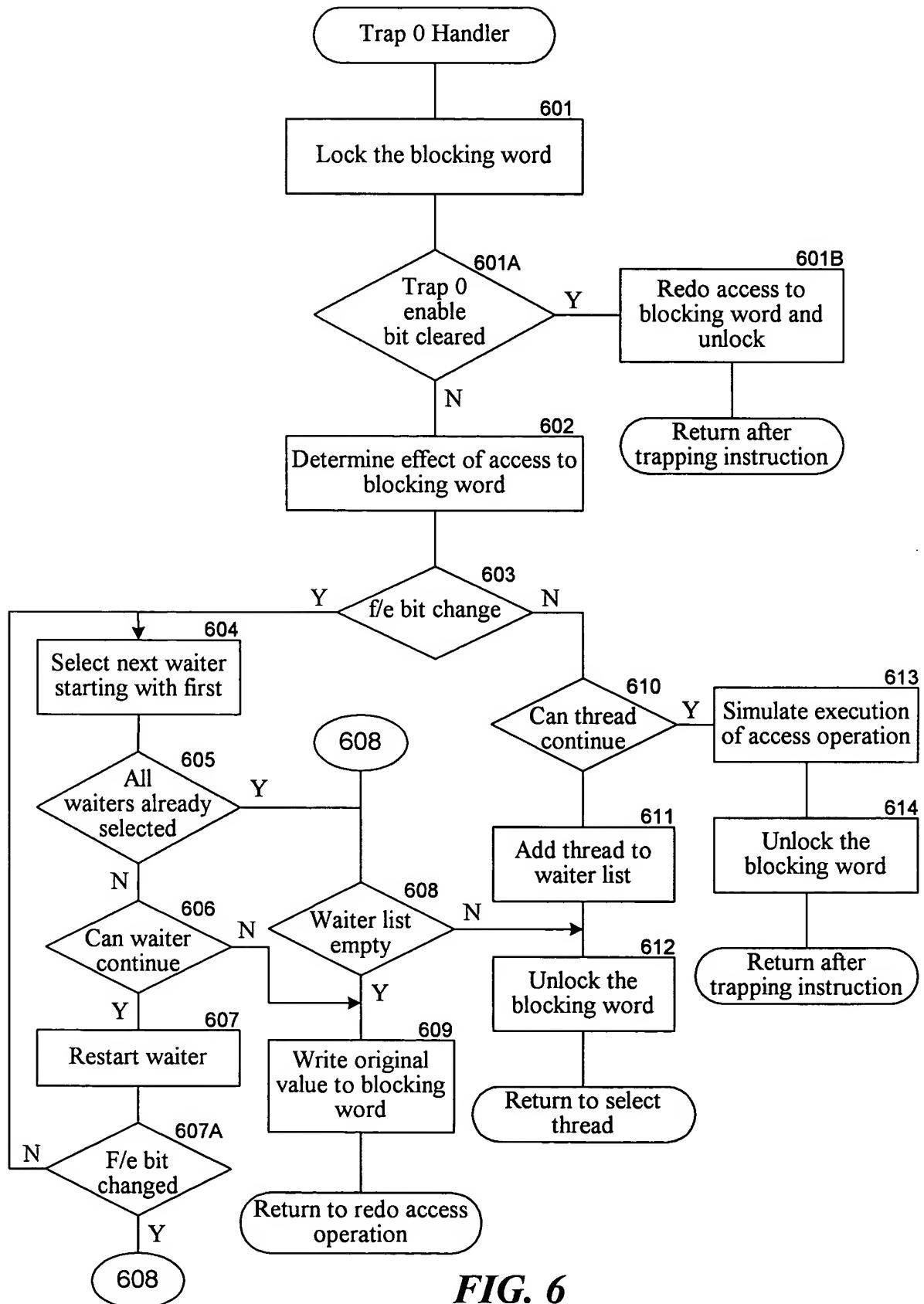


FIG. 6

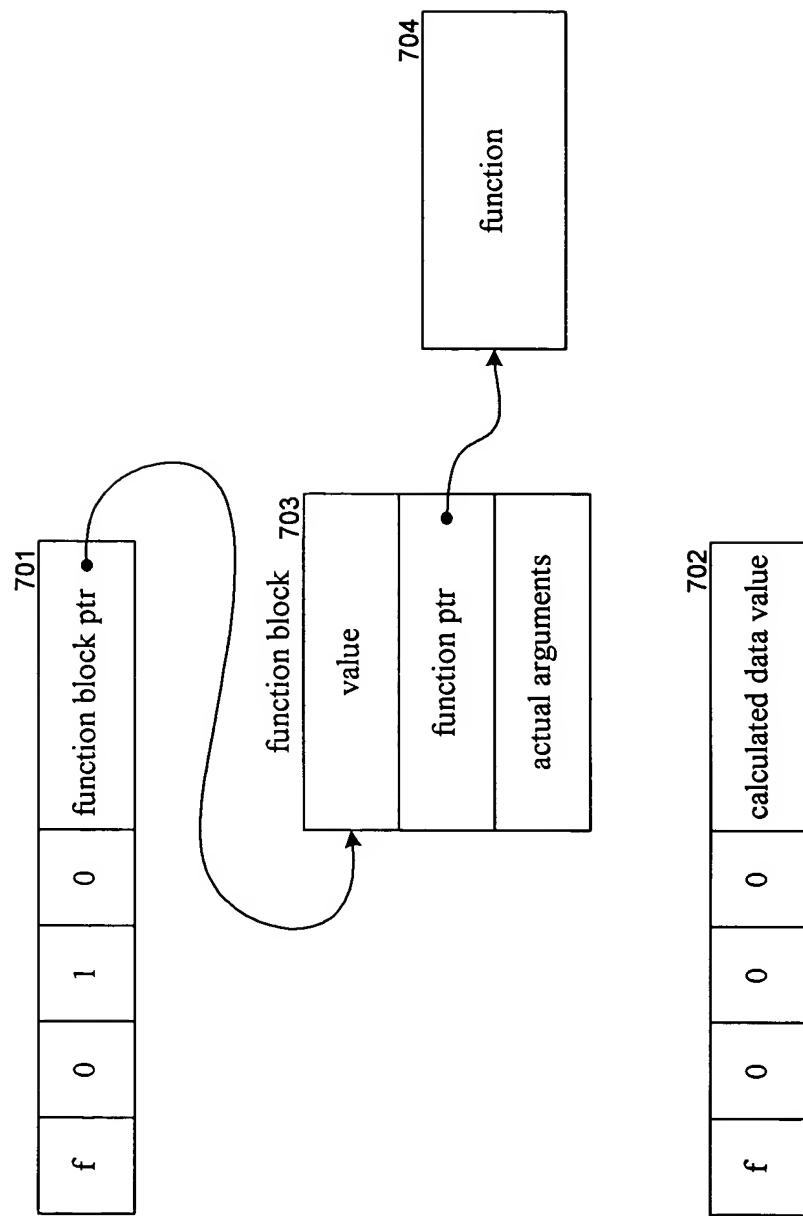


FIG. 7

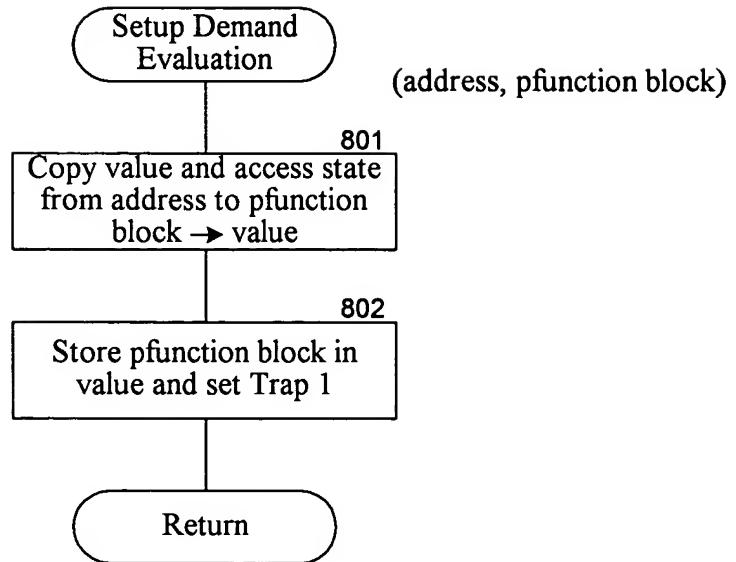


FIG. 8

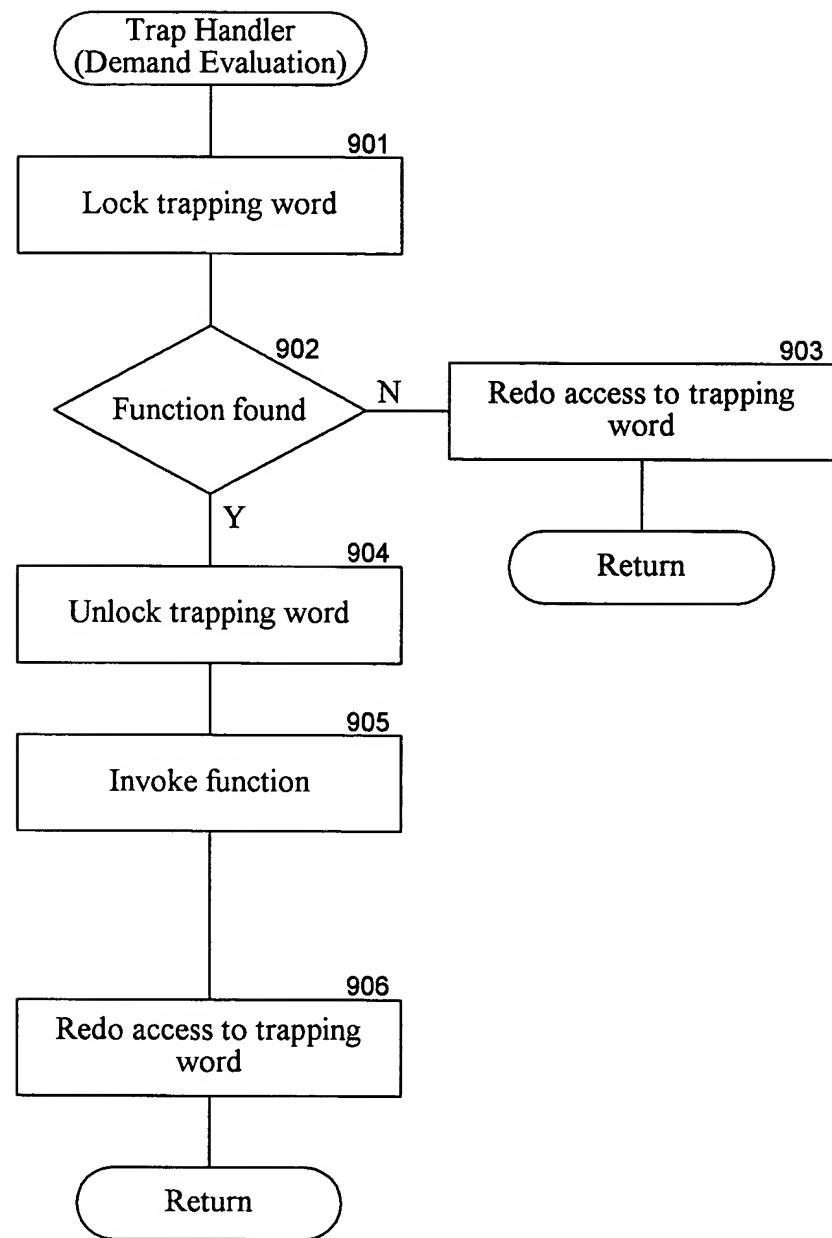


FIG. 9

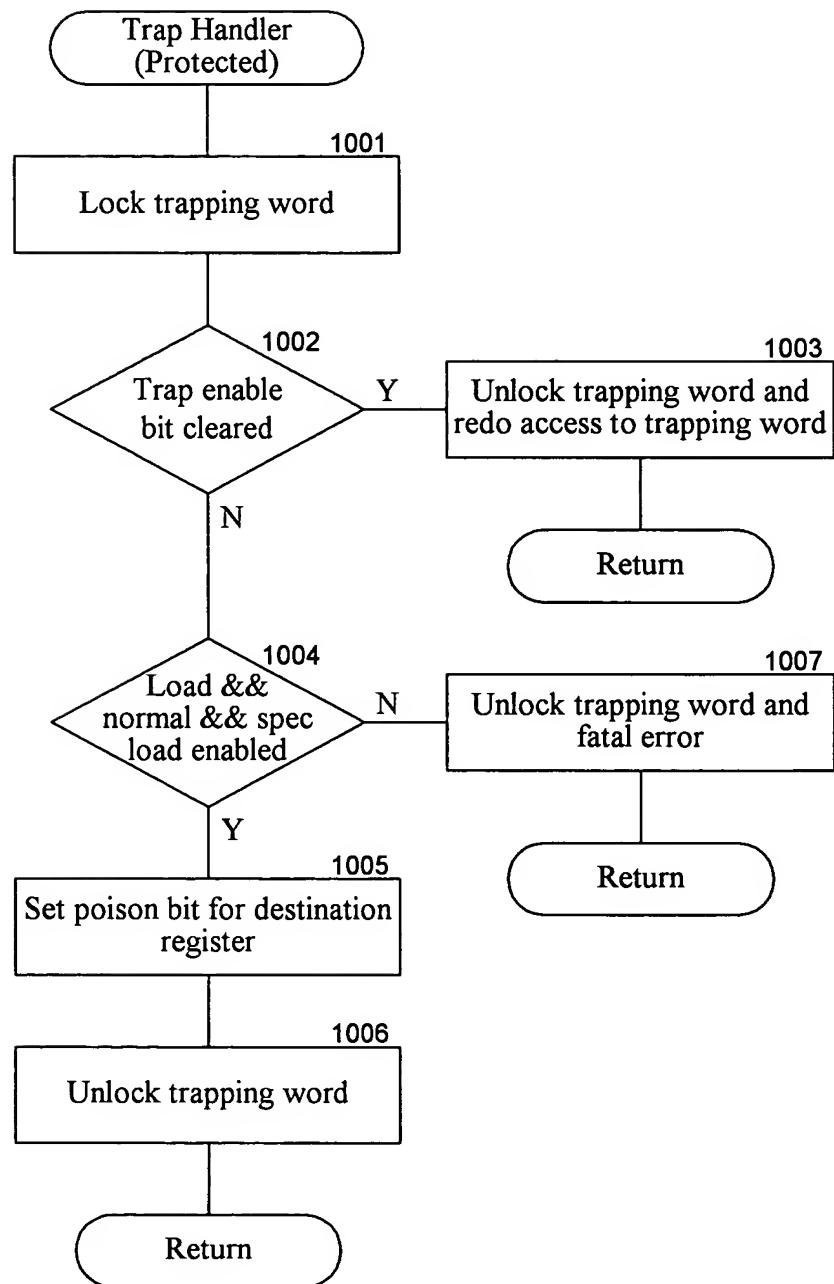


FIG. 10

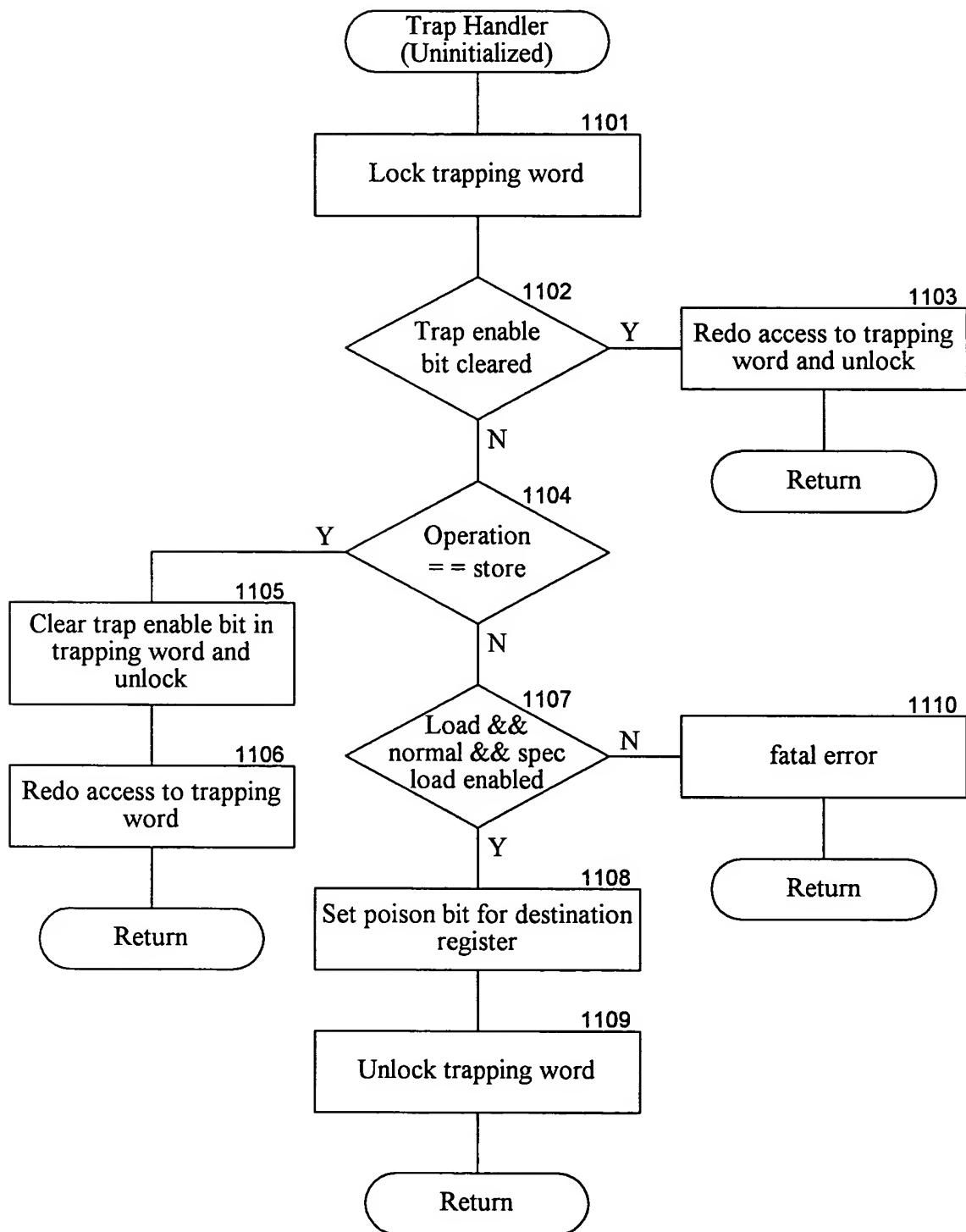


FIG. 11

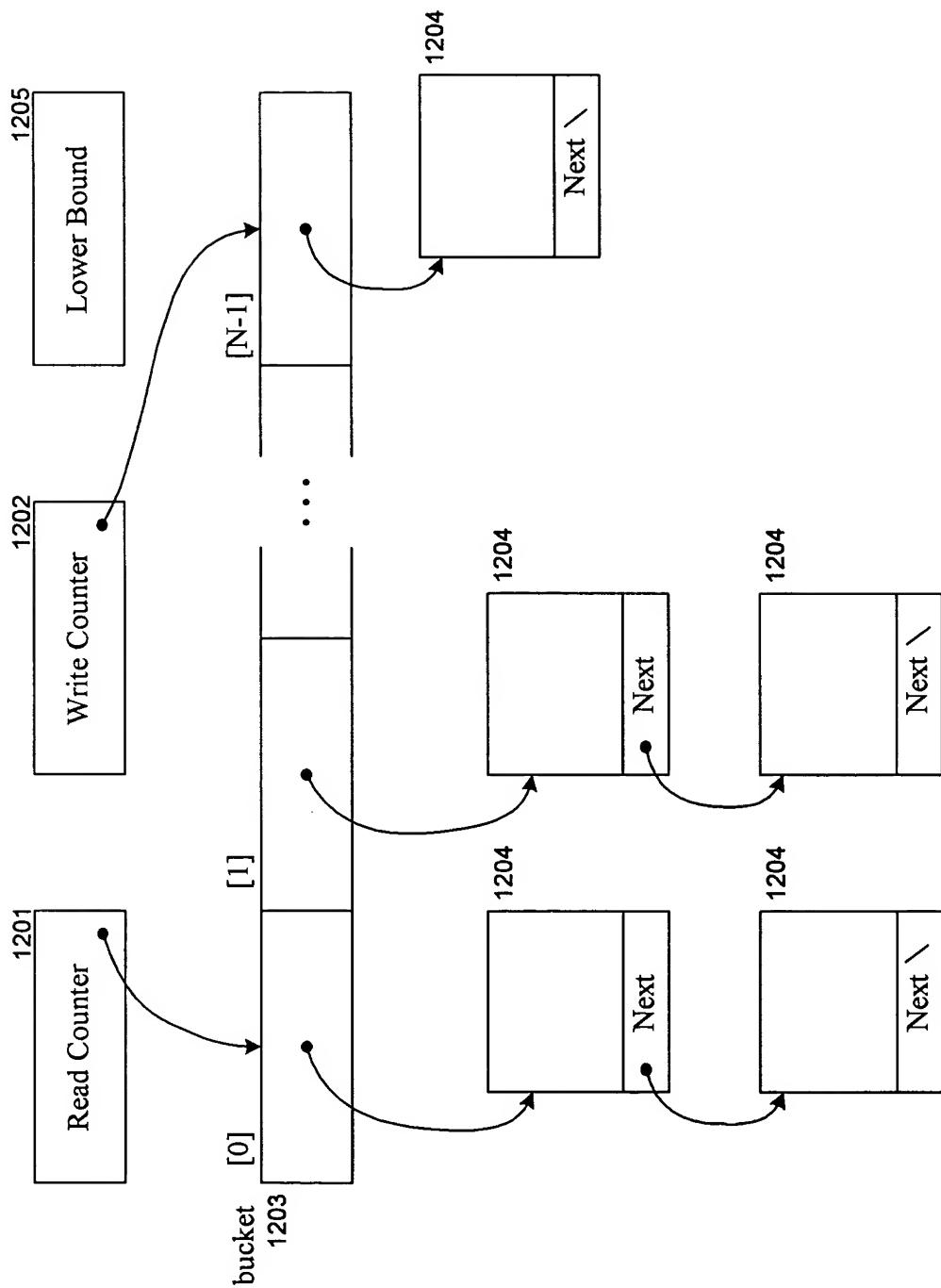


FIG. 12

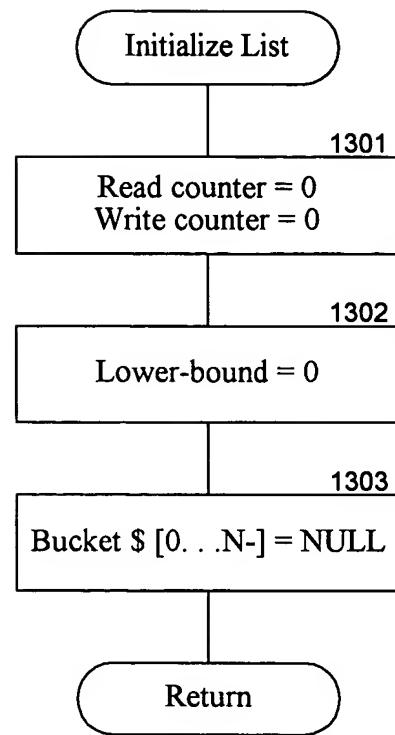


FIG. 13

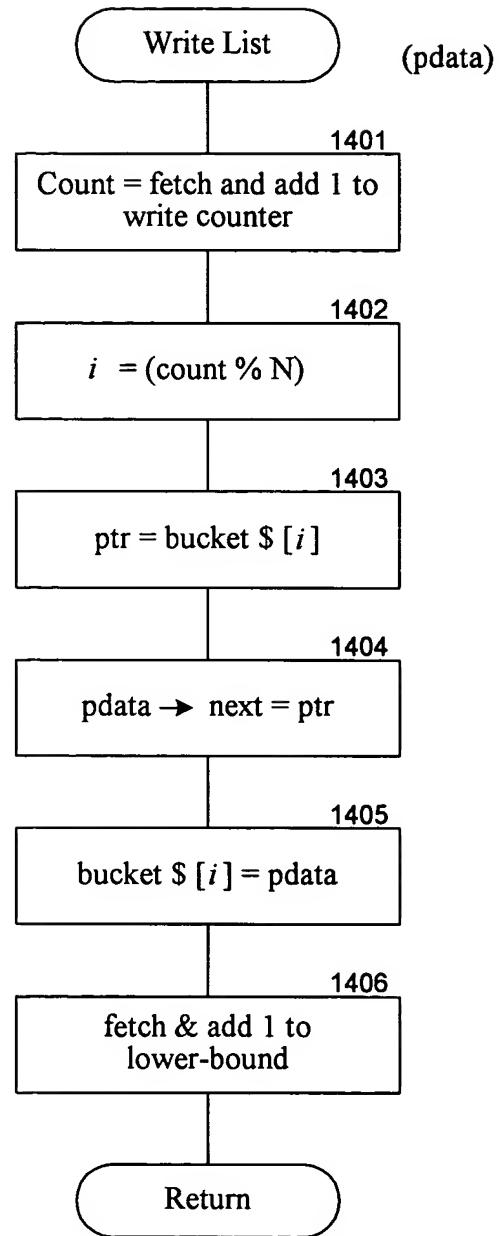


FIG. 14

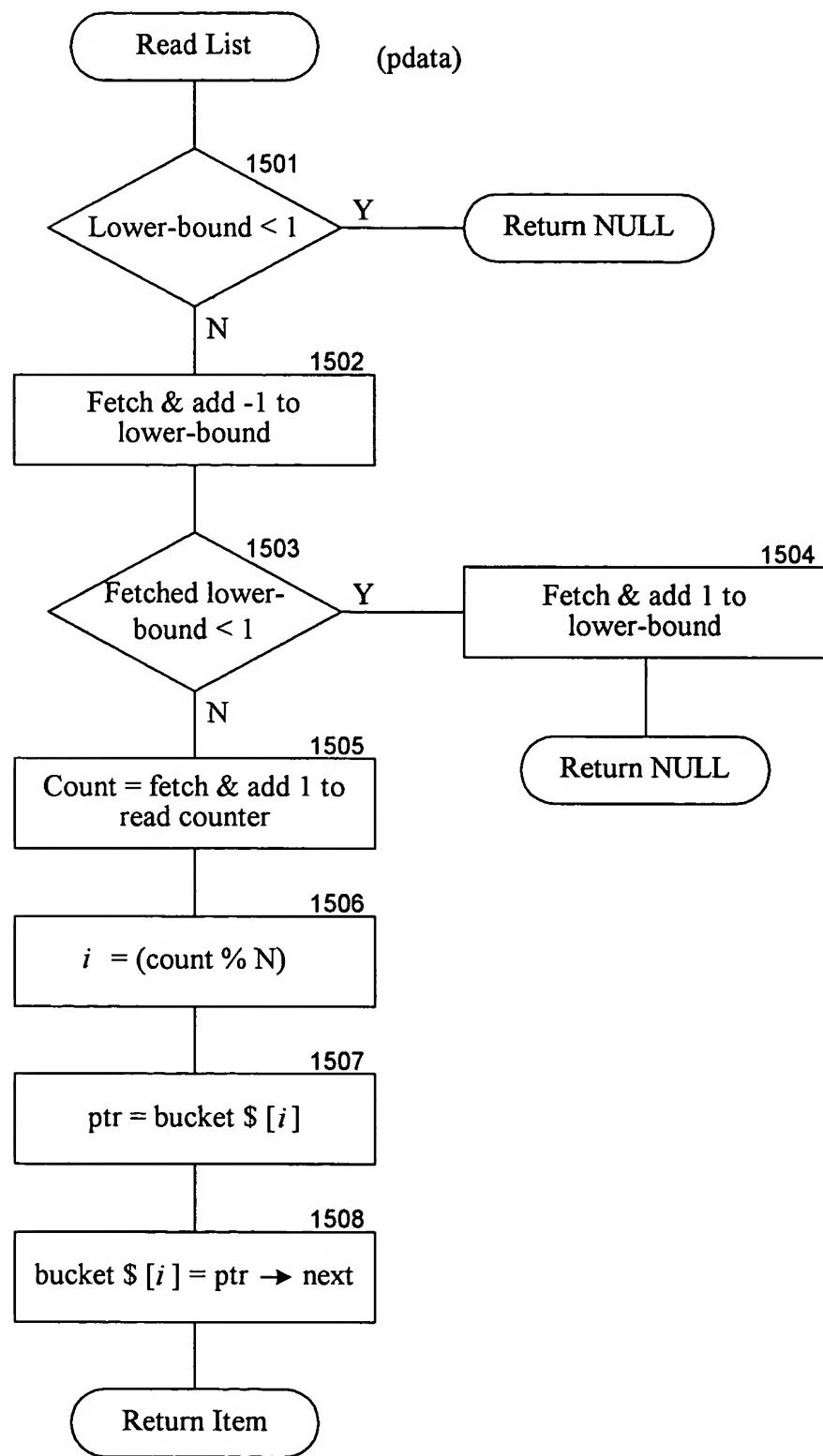


FIG. 15

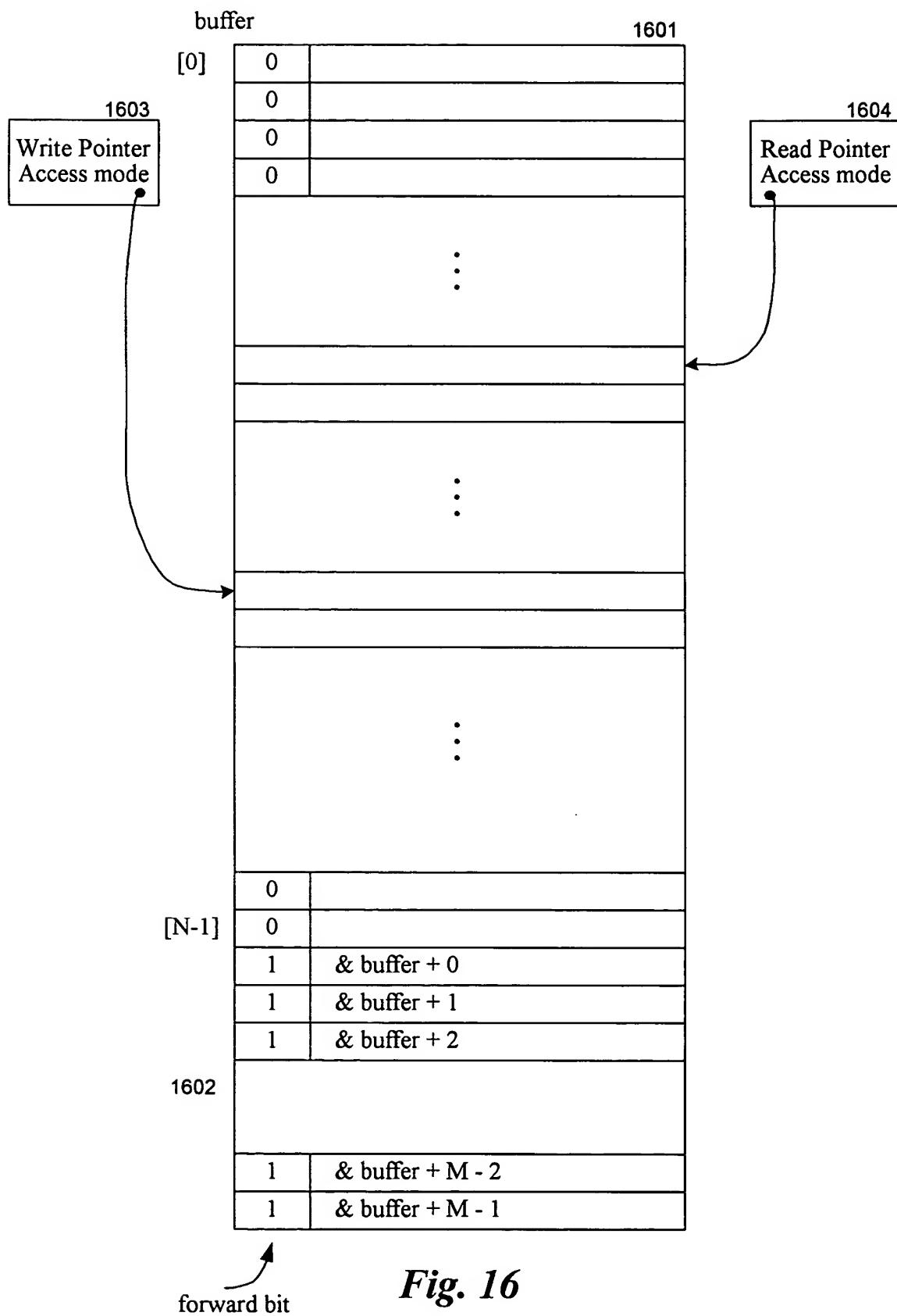


Fig. 16

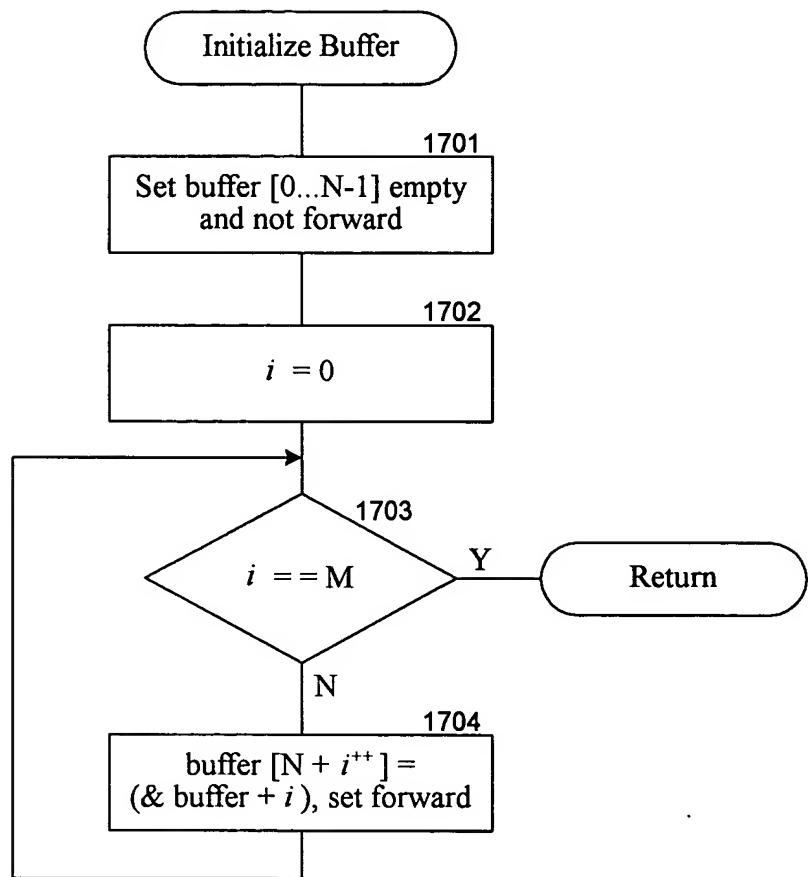


FIG. 17

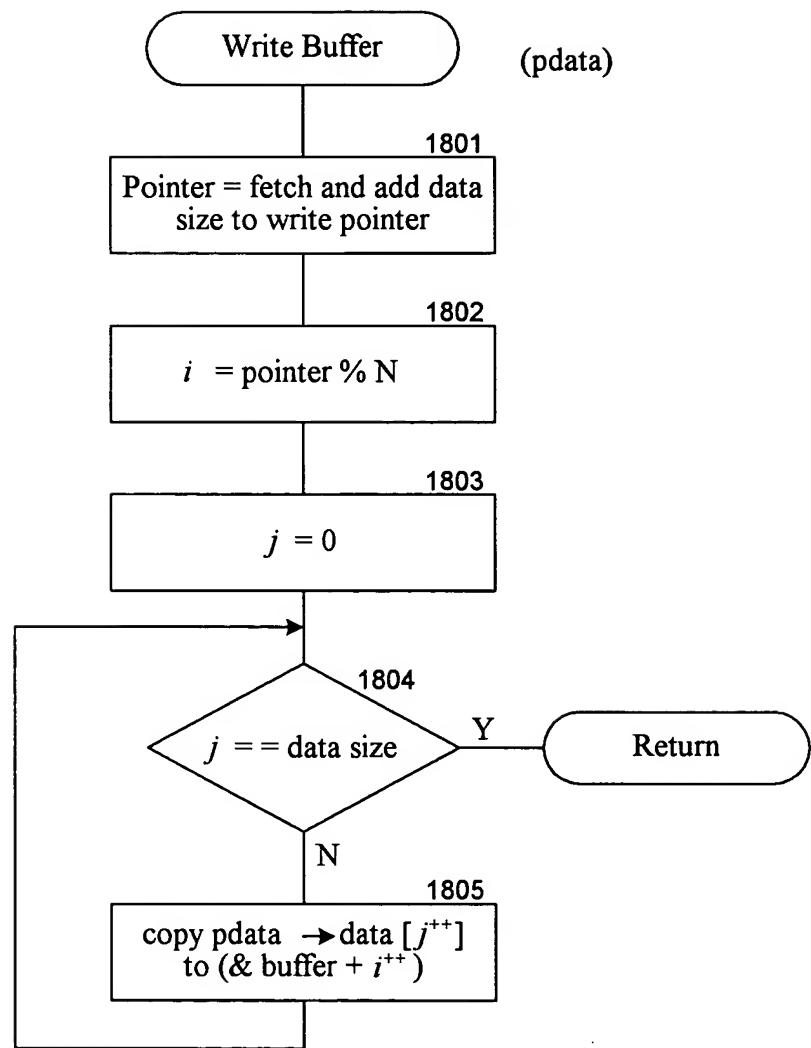


FIG. 18

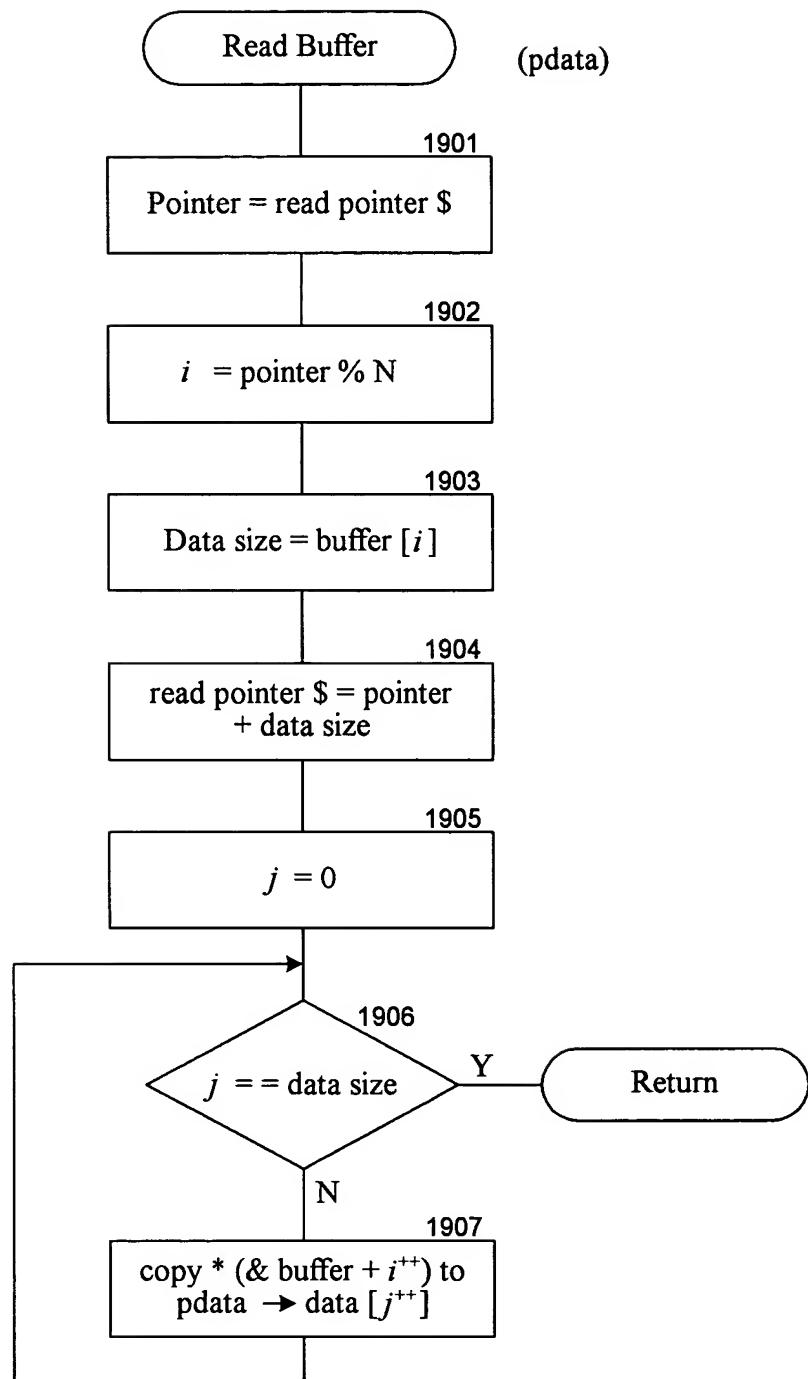
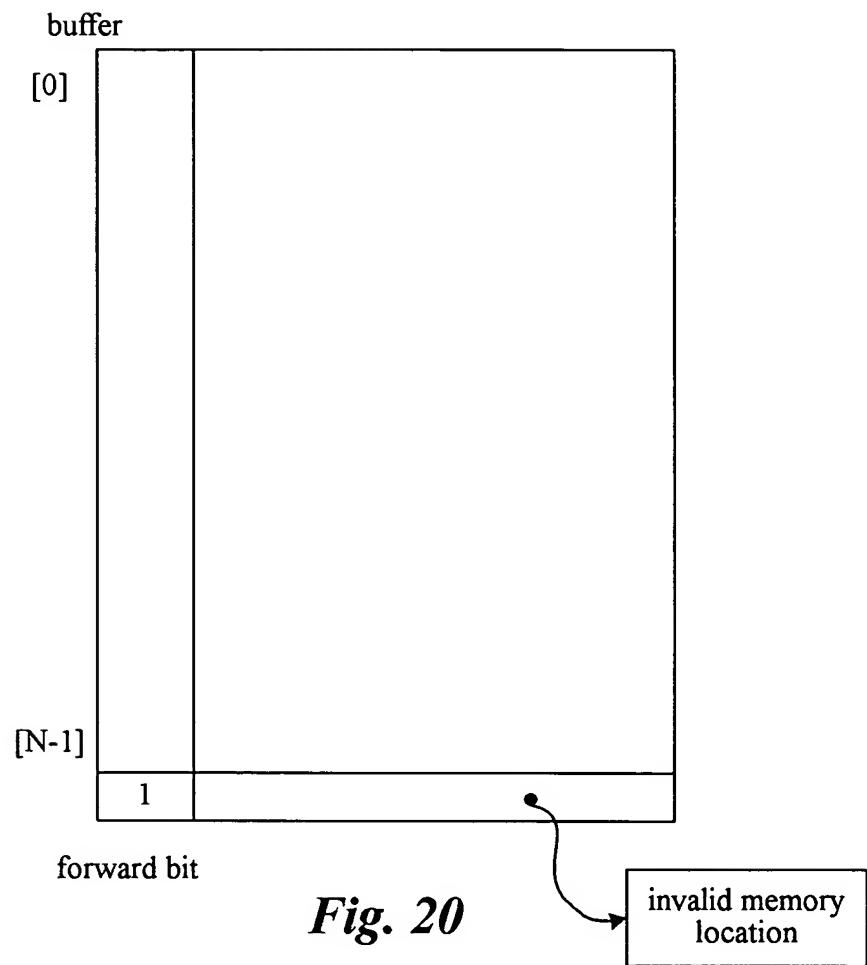


FIG. 19



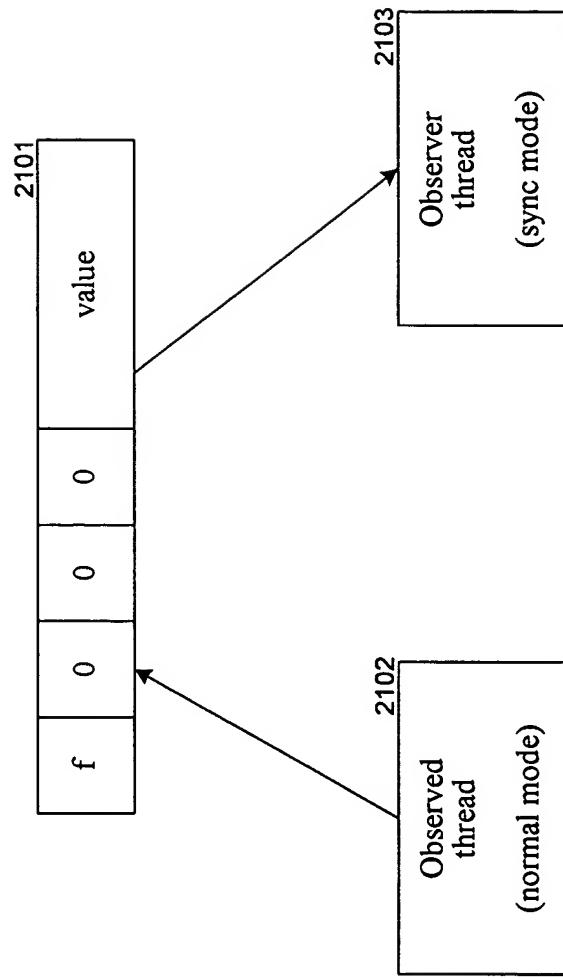


FIG. 21

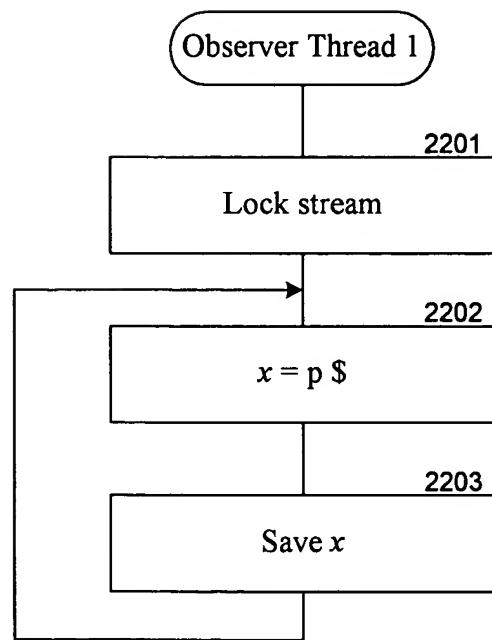


FIG. 22

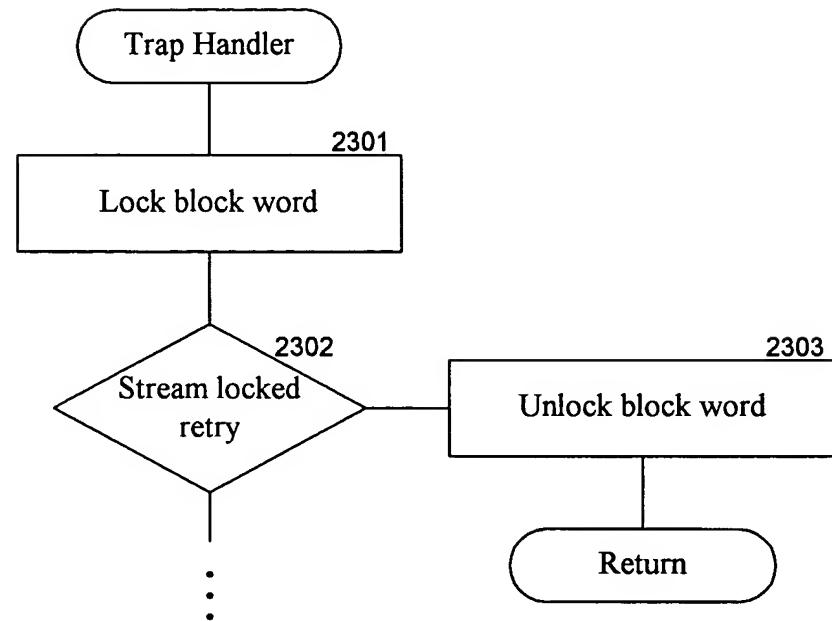


FIG. 23

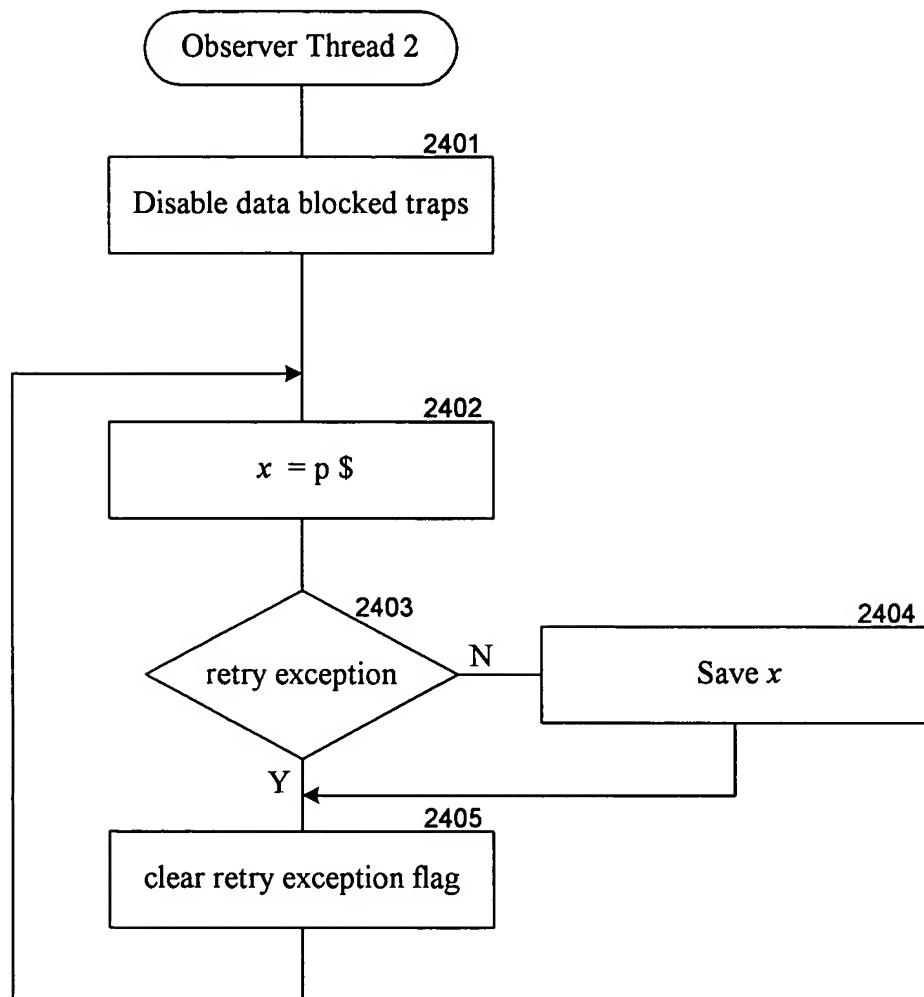


FIG. 24

Data Structure

| | |
|---|---|
| 1 | |
| 1 | |
| | |
| ⋮ | ⋮ |
| | |
| 1 | |
| 1 | |

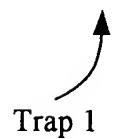


Fig. 25